

CONTINUITY SHEET FOR REEL #13
"ELEMENTS OF THE AUTOMOBILE"

MAY -2 1921

M T

Part 13

M T

The Bray Pictures Corporation
Presents
"ELEMENTS OF THE AUTOMOBILE"
by
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assisted by
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M T

Produced for
The Education
And Recreation Branch
General Staff
under the supervision
of the
Motor Transport Division
Quartermasters Corps
United States Army.

M S

Brakes.

Sub

A brake usually consists of a drum which is fastened to the wheel--

Sc 1

Close up of wheel. Drum dissolves on.

Sub

-- around which is a band faced with suitable friction material.

Sc 2

Band dissolves around drum. Pointer indicates it.

Sub

This band may be drawn tightly against the drum by linkage.

Sc 3

Linkage dissolves in. Pause. Dissolve out wheel. Action of linkage tightening band. This is repeated several times.

Sub

When braking action is required, the band is tightened and the wheel is slowed up by friction.

Sc 4

Drum and linkage. Wheel dissolves in. Action of wheel. Band is tightened. Wheel slows down. Band is released and wheel picks up speed again. Band is again tightened. Wheel stops gradually.

Sub

This brake is known as the foot brake, because it is operated by a foot pedal.

Sc 5

Foot lever dissolves in. Action of foot lever, and linkage repeated several times. Action of wheel.

Foot lever pulls brake. Band is tightened around drum. Wheel slows up. When released it picks up speed again, and is gradually stopped when the foot lever tightens the brake.

Sub Another brake fits on the inside of the drum.

Sc 6 Cross dissolve from outside brake to inside brake. Action of linkage is repeated several times.

Sub This is the hand (or emergency) brake.

Sc 7 Handle dissolves in. Action of handle and linkage. Action of wheel. Hand lever moves and tightens linkage so that wheel stops. Brake is released.

Sub This brake may be set.

Sc 8 Ratchet dissolves in. Pointer indicates it. Action of hand lever and linkage. Action of wheel. Hand lever moves and the brake is applied. Wheel stops. Brake is released.

Sub In most automobiles the foot brake and the hand brake act on each of the two rear wheels.

Sc 9 Long shot of complete car. Action of foot brake. Then action of hand brake. Flash to close up of wheel with both brakes. Action of foot brake linkage and then hand brake linkage. Dissolve on plate. Flash to long shot of car. Action of car making a complete revolution. Fade out.

End End of Part 13

Sub Have you learned something from this picture

Sub ?

Sub A poor education is a handicap. The United States Army schools remove the handicap and pay all expenses.

Sub Students earn while they learn.

Sub The End.

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